

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	2
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Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

Application Number	10/672,366
Filing Date	September 26, 2003
First Named Inventor	Chen, Yu
Art Unit	1753
Examiner Name	N/A
Attorney Docket Number	6565-67011RJP

[illegible]

FOREIGN PATENT DOCUMENTS						T <sup>o</sup>
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
AW		WO 2004/048603 A2	06-10-2004	University of Warwick		
AW		GB 2,313,912 A	12-10-1997	Parker et al.		

**Examiner  
Signature**

/Allison Watts/

Date  
Considered

01/26/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	10/672,366
				Filing Date	September 26, 2003
				First Named Inventor	Chen, Yu et al.
				Art Unit	1753
				Examiner Name	N/A
				Attorney Docket Number	6565-6701RJP
Sheet	2	of	2		

[illegible]

Examiner Signature	/Allison Watts/	Date Considered	01/26/2007
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1 Applicant's unique-citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Unassigned
Filing Date	Herewith
First Named Inventor	Yu CHEN et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AW		US- 6,503,847	7/01/03	Chen et al.	
		US- 2002/0081588	27/06/02	De Lumley-woodyear et al.	
		US- 6,315,940	13/11/01	Nisch et al.	
		US- 4,837,049	6/06/89	Byers et al.	
		US- 5,120,421	9/06/92	Glass et al.	
		US- 4,225,410	30/09/80	Pace	
		US- 6,017,440	25/01/00	Lewis et al.	
		US- 2003/0009112	9/01/03	Hammerle et al.	
AW		US- 2002/0074227	20/06/02	Nisch et al.	
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Examiner  
Signature

/Allison Watts/

Date  
Considered

01/26/2007

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		Application Number	Unassigned
		Filing Dat	Herewith
		First Named Inventor	Yu CHEN et al.
		Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	

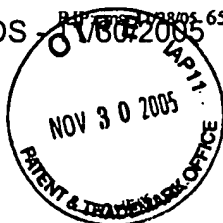
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AW		PETER FROMHERZ et al.; Silicon-Neuron Junction: Capacitive Stimulation of an Individual Neuron on a Silicon Chip; Physical Review Letters, 08/95, p1670-16, Vol. 75 no.8	
AW		JOSEPH WANG; Electrochemical nucleic acid biosensors; Analytica Chimica Acta, September 2002, p 63-71, Vol. 469, Elsevier	
AW		H. T. TIEN et al.; Supported Bilayer Lipid Membranes as Ion and Molecular Probes; Analytical Sciences, Feb. 1998, p3-18, Vol.14, Japan	
AW		WEN JIN et al.; Properties and applications of proteins encapsulated within sol-gel derived materials; Analytical Chimica Acta, 06/02, p1-36, Vol. 461, Elsevier	
AW		ROLF WEIS et al.; Neuron Adhesion on a Silicon Chip Probed by an Array of Field-Effect Transistors; Physical Review Letters, Jan. 1996 , p327-330, V.76, no. 2	

Examiner Signature	/Allison Watts/	Date Considered	01/26/2007
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IFW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yu Chen, et al.

Application No. 10/672,366

Filed: September 26, 2003

Confirmation No. 3036

For: SENSOR ARRAY INTEGRATED  
ELECTROCHEMICAL CHIP, METHOD  
OF FORMING SAME, AND ELECTRODE  
COATING

Examiner: ---

Art Unit: 1753

Attorney Reference No. 6565-67011-01

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent  
for Applicant(s)

Date Mailed November 28, 2005

TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- ☒ Supplemental Information Disclosure Statement
- ☒ PTO- Form 1449 and references
- ☒ The Director is hereby authorized to charge any fees that may be required to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

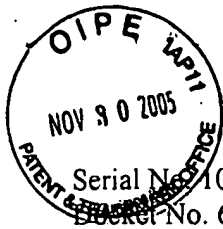
Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

  
Richard J. Polley  
Registration No. 28,107

One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204  
Telephone: (503) 226-7391/Facsimile: (503) 228-9446  
cc: Docketing  
Client



Serial No. 10/672,366  
Docket No. 6565-6701RJP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Chen, Yu et al.  
Serial No. : 10/672,366  
Filed : September 26, 2003  
Title : SENSOR ARRAY INTEGRATED ELECTROCHEMICAL CHIP,  
METHOD OF FORMING SAME, AND ELECTRODE  
COATING  
Docket : 6565-67011RJP  
Art Unit : 1753

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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I hereby certify that this correspondence is being deposited with the  
United States Postal Service as first class mail in an envelope addressed  
to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-  
1450 on 11-28-05

Attorney

Reg. No.

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97, AND 1.98

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 CFR §1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR §1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103, and Applicant reserves the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish otherwise. Further, pursuant to 37 CFR §1.97(g), the

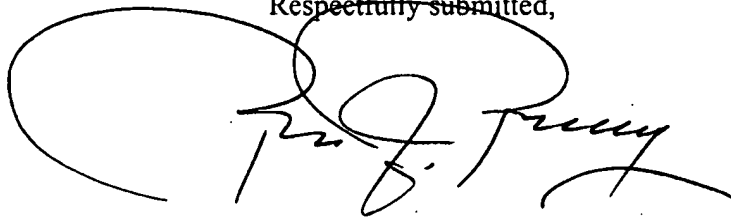
Serial No. 10/672,366  
Docket No. 6565-6701RJP

filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.

This Information Disclosure Statement is being filed within the period set forth in 37 CFR §1.97(b) because it is believed to be filed before the mailing date of a first office action on the merits.

The Office has waived the requirement pursuant to 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. Therefore, no copies of each cited U.S. patent and each cited U.S. patent application publication are enclosed, but the cited U.S. patents and the cited U.S. patent application publications are listed on PTO/SB/08A.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. J. Polley", is written over the typed name. The signature is fluid and cursive.

RICHARD J. POLLEY  
Registration No. 28,107

KLARQUIST SPARKMAN, LLP  
One World Trade Centre  
121 S.W. Salmon Street Suite 1600  
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Telephone: (503) 226-7391

93231-11  
RDF/JJP/cyy  
Encls.

IDS - 09/26/2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of:	)	
	)	
Yu CHEN, et al.	)	
	)	Group Art Unit: Unassigned
Serial No.: Unassigned	)	
	)	Examiner: Unassigned
Filed: Herewith	)	
	)	Attorney Docket:
For: SENSOR ARRAY INTEGRATED	)	
ELECTROCHEMICAL CHIP,	)	
METHOD OF FORMING SAME,	)	
AND ELECTRODE COATING	)	
	)	
	)	
	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450  
USA

Dear Sir:

In accordance with the provisions of 37 CFR 1.56, Applicants hereby make of record the references set out on the attached forms PTO/SB/08A and PTO/SB/08B.

A copy of each reference is enclosed.

No representation is made that the references are "prior art" within the meaning of 35 U.S.C. §§ 102 and 103, and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish otherwise. Moreover, Applicants do not represent that the references have been thoroughly reviewed or that any relevance of any portion of the references is intended.

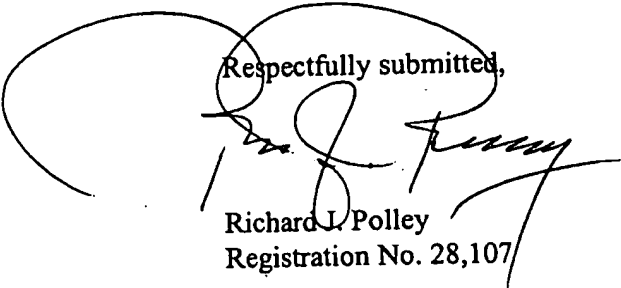


Serial No.: Unassigned

- Page 2 -

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

Respectfully submitted,



Richard J. Polley  
Registration No. 28,107

Klarquist Sparkman, LLP  
One World Trade Center  
121 S.W. Salmon St. Suite 1600  
Portland, Oregon 97204

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Facsimile: (503) 228-9446

September 26, 2003

Enclosures  
93231-115RDF:JJP:snj